

DESCRIPTION

PRODUCT COVERED:

USR, Component Connectors, Z-Pack Slim UHD Power Connectors.

USR, CNR, Component Connectors, Z-Pack Slim UHD Signal Connectors.

GENERAL:

These devices are multi-pole connectors intended for factory assembly on printed wiring boards where the acceptability of combinations is determined by UL LLC. The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977.

CNR indicates investigation to Canadian National Standards,  
C22.2 No. 182.3.

## RATINGS:

Signal Connectors	Voltage, VDC	Ampere (A)	Max. Poles
Male Connector	30	0.5	96
Male Connector, Right Angle, Common Speed	30	0.5	96
Male Connector, Right Angle, High Speed	30	0.5	96
Female Connector, Right Angle, Common Speed	30	0.5	96
Female Connector, Right Angle, High Speed	30	0.5	96

Power Connectors	Voltage, Vac	Ampere (A)	Max. Poles
Receptacle Assembly, Vertical	60	10 A	5
		15 A	1
Plug Assembly, Right Angle	60	10 A	5
		15 A	1

Flammability - V0, for the Z-Pack Slim UHD Power Connectors.

Disconnecting Use - These connectors are not suitable for disconnecting use.

## TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC.

Conditions of Acceptability - The following are among the considerations to be made when evaluating the device in the end-use product.

## Interruption of Current

1. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.
2. These devices have been subjected to the Temperature test with the rated currents and maximum temperature rise values tabulated below.

Z-Pack Slim UHD	Current, A	Maximum Temperature Rise, °C
Male Connector with female (signal)	0.5 A (96 poles)	17.9
Receptacle and plug (power)	10A (5 poles)	64.6
Receptacle and plug (power)	15A (1 pole carrying current)	39.1

## Insulating Materials

3. These devices employ insulating materials with properties as tabulated below at the minimum thickness employed in the connector housing, the suitability of the insulating materials based on the documented values shall be determined in the end-use application. Please note the values specified in the table when multiple materials are indicated represent the minimum values for the group of materials.

Cat. No.	Insulating Material (#)	Measured Minimum Thickness mm	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, °C
Signal/Power Connectors	704129	0.34	V-0	4	4	130	130
Signal Connectors	704032	0.235	-	-	-	130	130

(#) - Code for Insulating Body Material Raw Number.

704129:

1. Dielectric strength (kV/mm): 39
2. CTI: 4

704032:

1. Dielectric strength (kV/mm): -
2. CTI: 2

#### Mating Connectors

5. These devices have only been assessed for use with specific types of connectors within their product family. They have not been assessed to operate with any other similar devices from any other manufacturer.